

ABSTRACT OF THE DISCLOSURE

A method of making an aggregate having a carbon phase and a silicon-containing species phase is described and includes introducing a carbon black-yielding feedstock and a silicon-containing compound feedstock into different stages of a multi-stage reactor. The reactor operates at a sufficient temperature to decompose the silicon-containing compound and to form a carbon black phase from the carbon black-yielding feedstock. At least one of the feedstocks may include a diluent, such as an alcohol, water, and aqueous based solution, and mixtures thereof.